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Using Milestone XProtect with LucidLink

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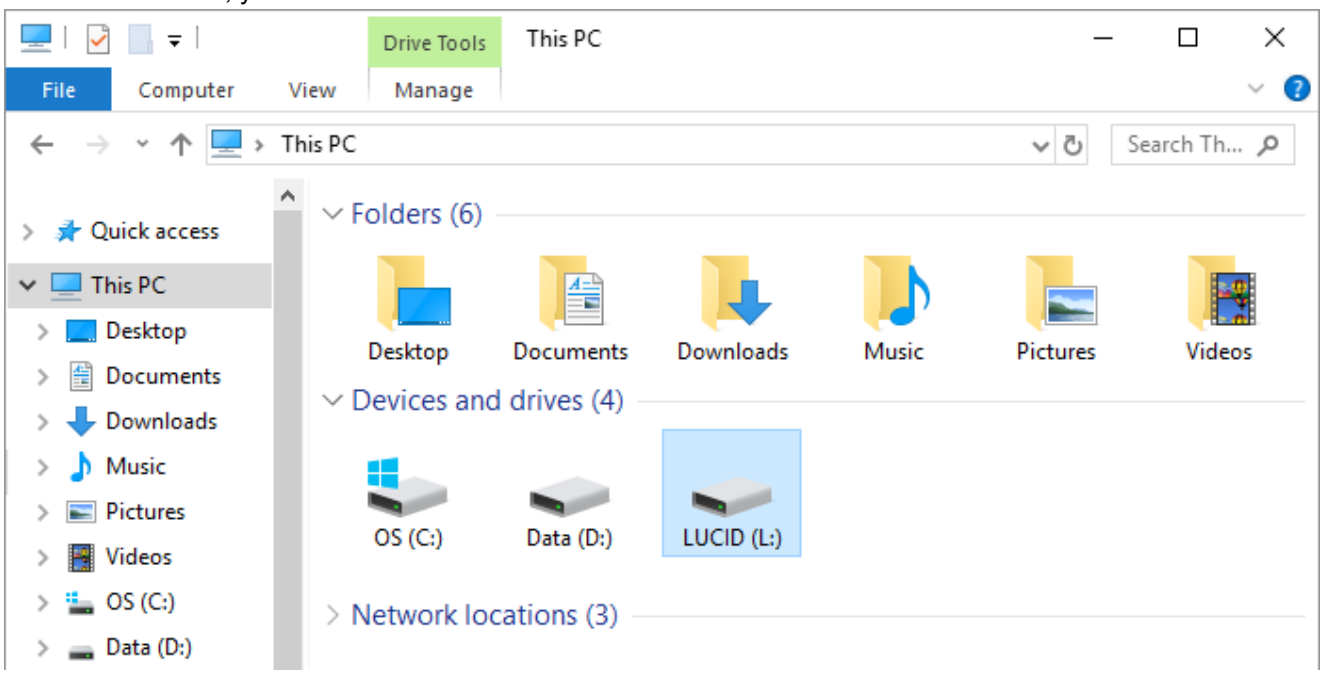
LucidLink is certified for use with **Milestone XProtect** (https://www.milestonesys.com/solutions/platform/video-management-software/). XProtect cannot directly record and stream video data on-demand to and from object storage. LucidLink is a distributed streaming filesystem for object storage that allows true read and write access to object storage as if it were a local disk. LucidLink integrates with the host operating system as a file system mount point.

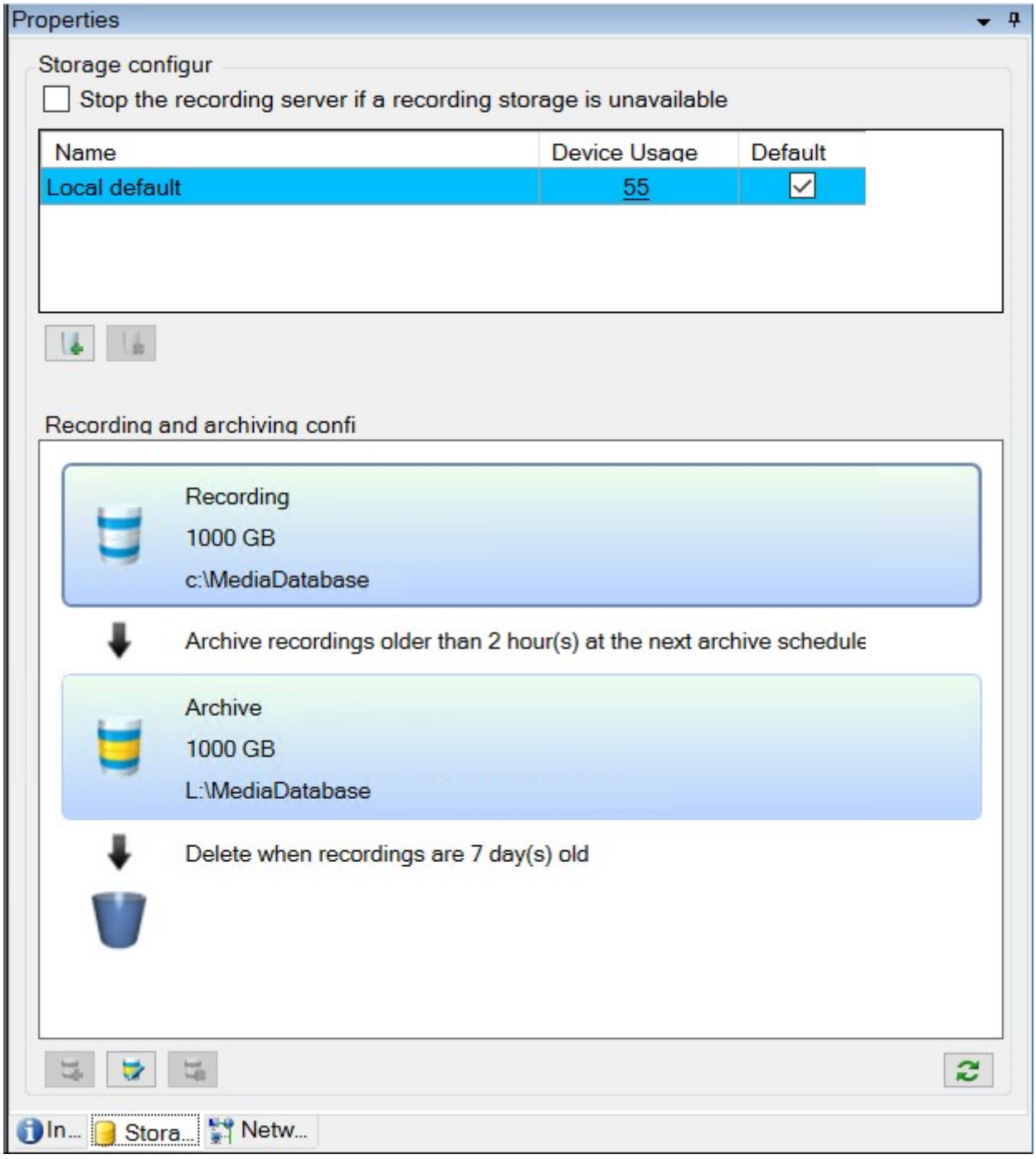
To use LucidLink with Milestone XProtect, if you don't already have a LucidLink Filespace, **you can create and initialize one** (https://support.lucidlink.com/support/solutions/articles/31000053424-getting-started-with-lucidlink). Your LucidLink Filespace is directly associated with an object storage bucket. This can be any S3-compatible object storage or Azure Blob.

Milestone XProtect runs on Windows, and to connect to your LucidLink Filespace you need to **download and install the LucidLink Client** (https://www.lucidlink.com/download/) on the same machine where it is running.

Once you connect to your LucidLink Filespace it will appear as a folder in Windows Explorer. To make this show up as a drive letter instead, you can run `lucid unmount` and `lucid mount <driveletter>:` from the command line.



You can then change the archive storage location to be the LucidLink drive in Milestone XProtect.



The LucidLink Filespaces distributed filesystem splits data and metadata layers, using a unique data layout with a specific block size. Review ***LucidLink Filespaces - Cloud-Native File Service Architecture Overview*** *(https://www.lucidlink.com/wp-content/uploads/ArchitecturalOverview_Sept_2019.pdf) for more details.*

Note: This solution was tested in combination with Wasabi hot storage. ***Learn more about this joint Wasabi and LucidLink solution*** *(https://wasabi-support.zendesk.com/hc/en-us/articles/360033538852-How-do-I-use-Milestone-XProtect-with-Wasabi-).*